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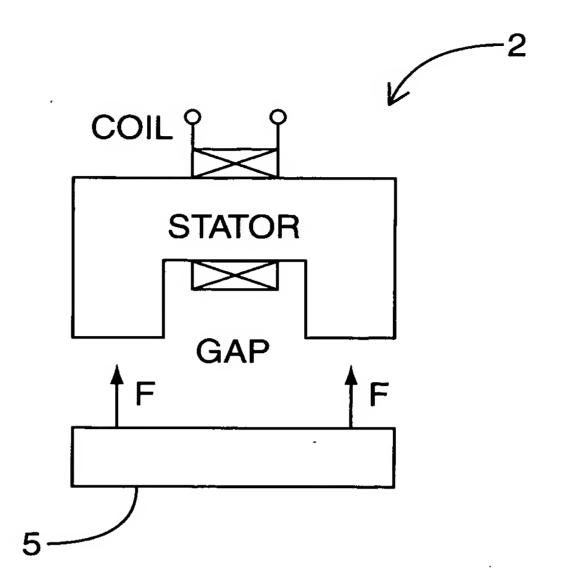
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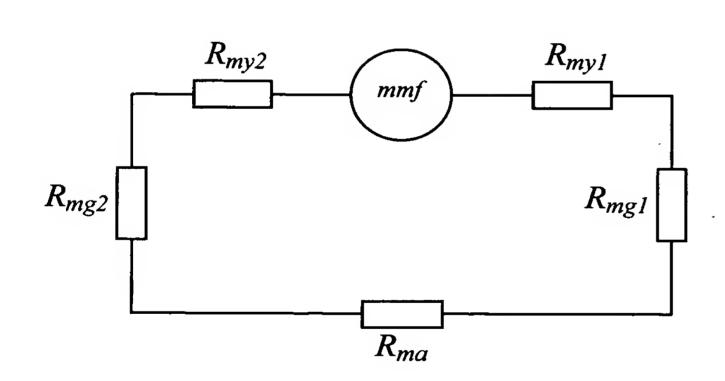
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Formal Drawings Sheet 1 of 14 Serial No.: 10/656,257 Applicant: Vladimirescu et al. B&P File No.: 8989-031





$$mmf = N \lozenge I$$

$$R_{mk} = \frac{L_{mk}}{\mu_{mk} \, \Diamond A_{mk}}$$

$$R_{me} = \sum_{k} R_{mk}$$

$$\Phi = \frac{mmf}{R_{me}}$$

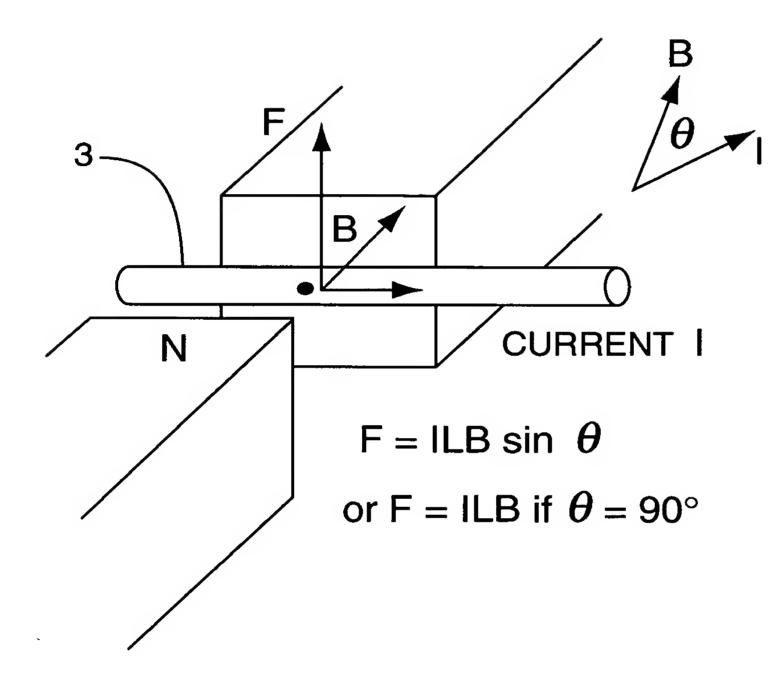
$$F = \frac{\Phi^2}{2 \lozenge \mu_0 \lozenge A}$$

FIG. 1 PRIOR ART



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$$F = qvB \sin \theta$$

$$F = q \frac{L}{t} B \sin \theta$$

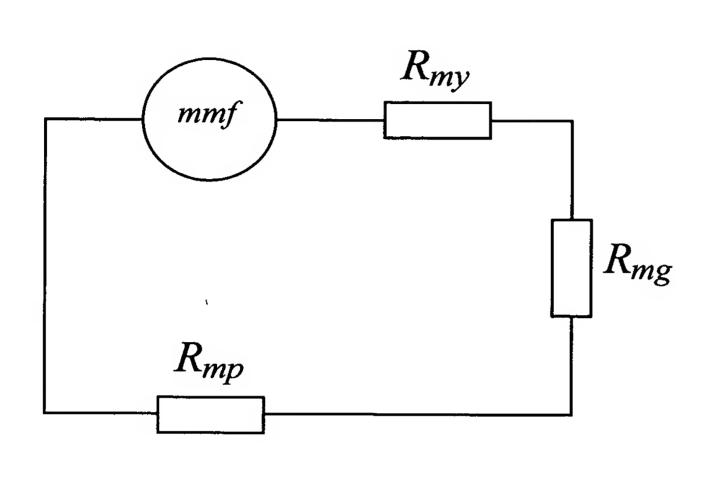
$$F = \frac{q}{t} LB \sin \theta$$

$$F = ILB \sin \theta$$

FIG. 2 PRIOR ART



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$$mmf = N \lozenge I$$

$$R_{mk} = \frac{L_{mk}}{\mu_{mk} \lozenge A_{mk}}$$

$$R_{me} = \sum_{k} R_{mk}$$

$$\Phi = \frac{mmf}{R_{me}}$$

$$F = -\frac{1}{2} \lozenge \Phi^2 \lozenge \frac{dR_{mg}}{dx}$$

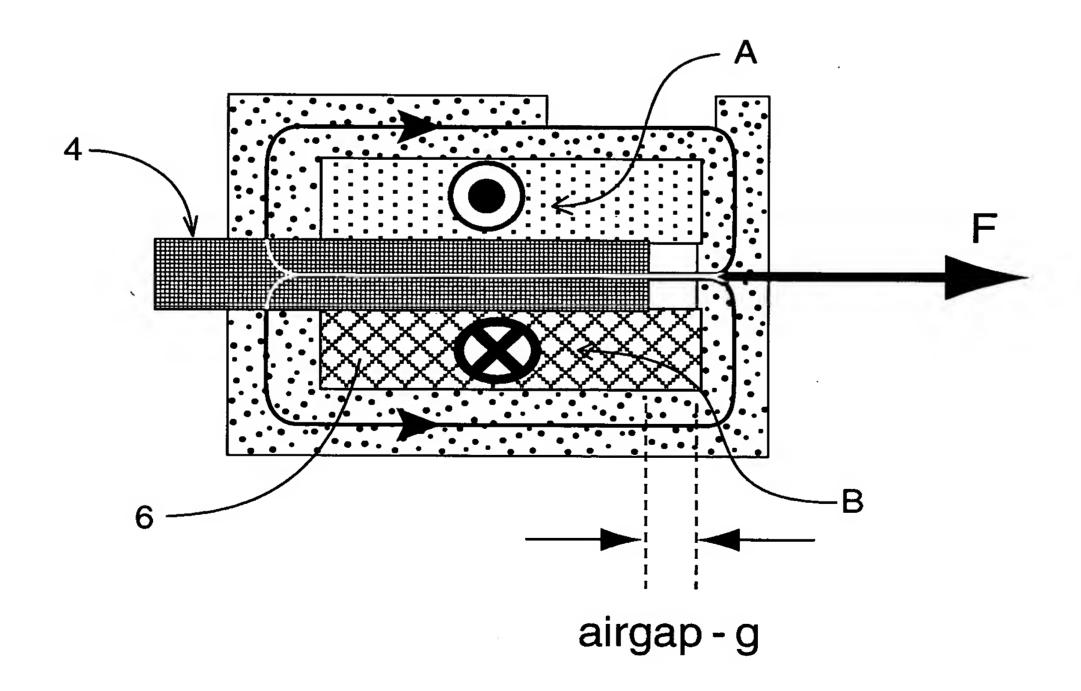


FIG. 3 PRIOR ART



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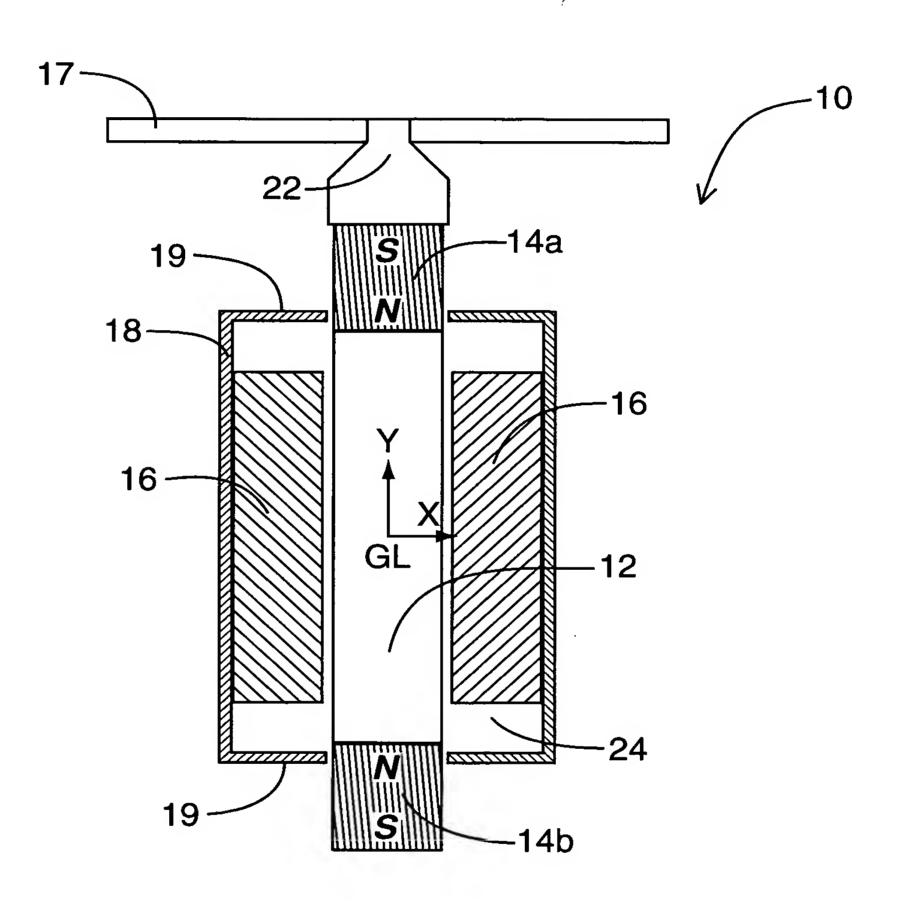


FIG. 4



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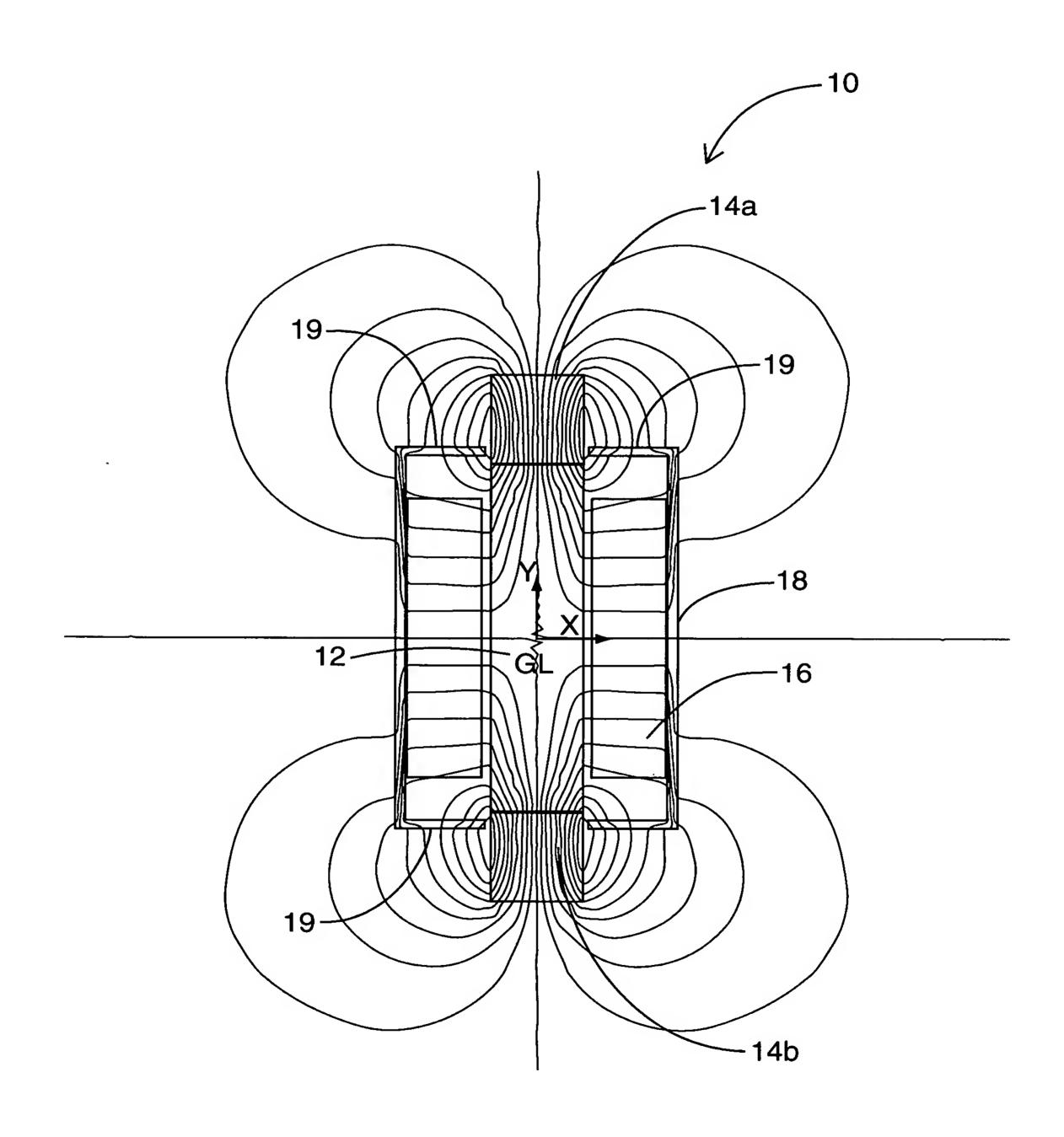


FIG. 5A



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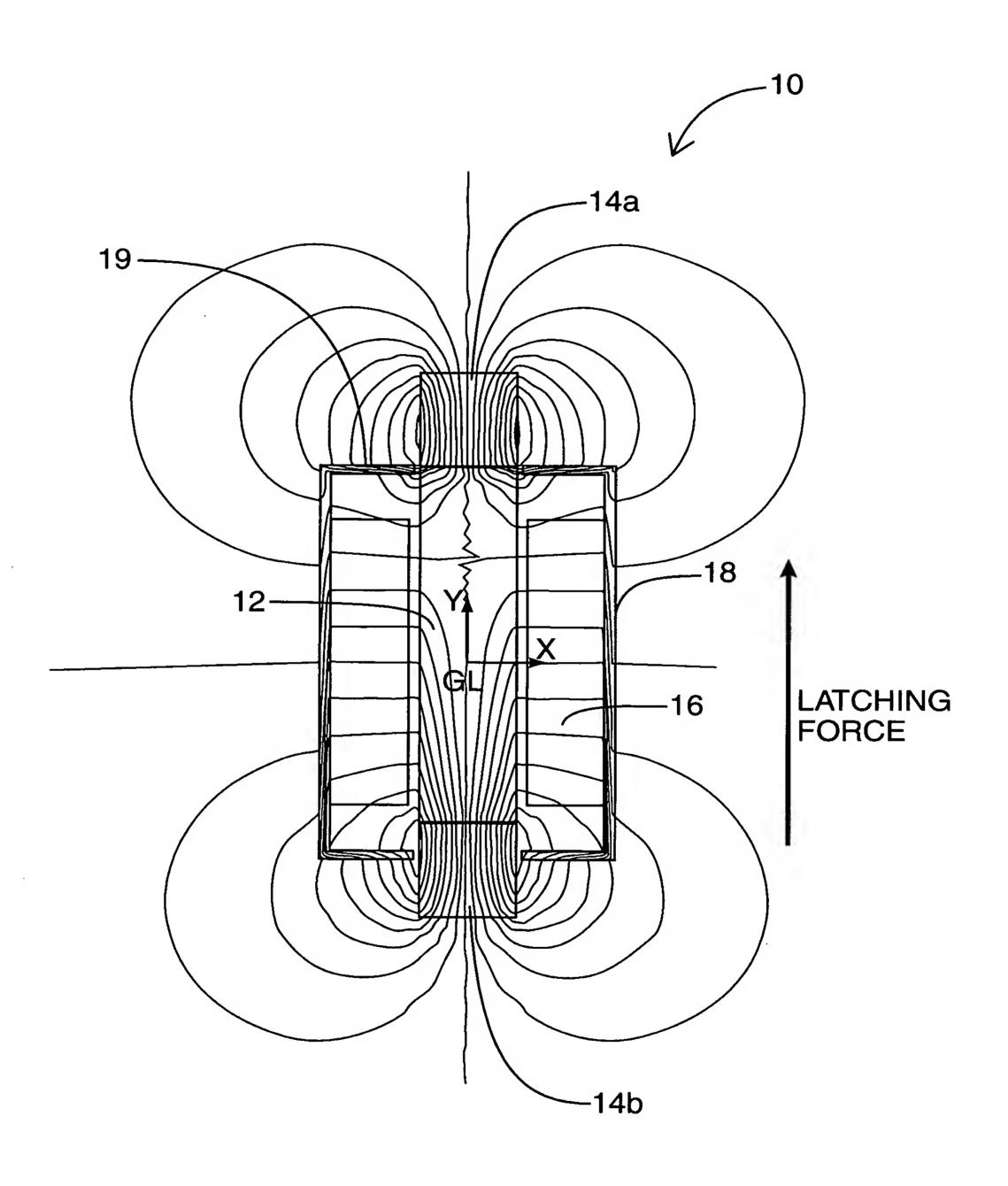


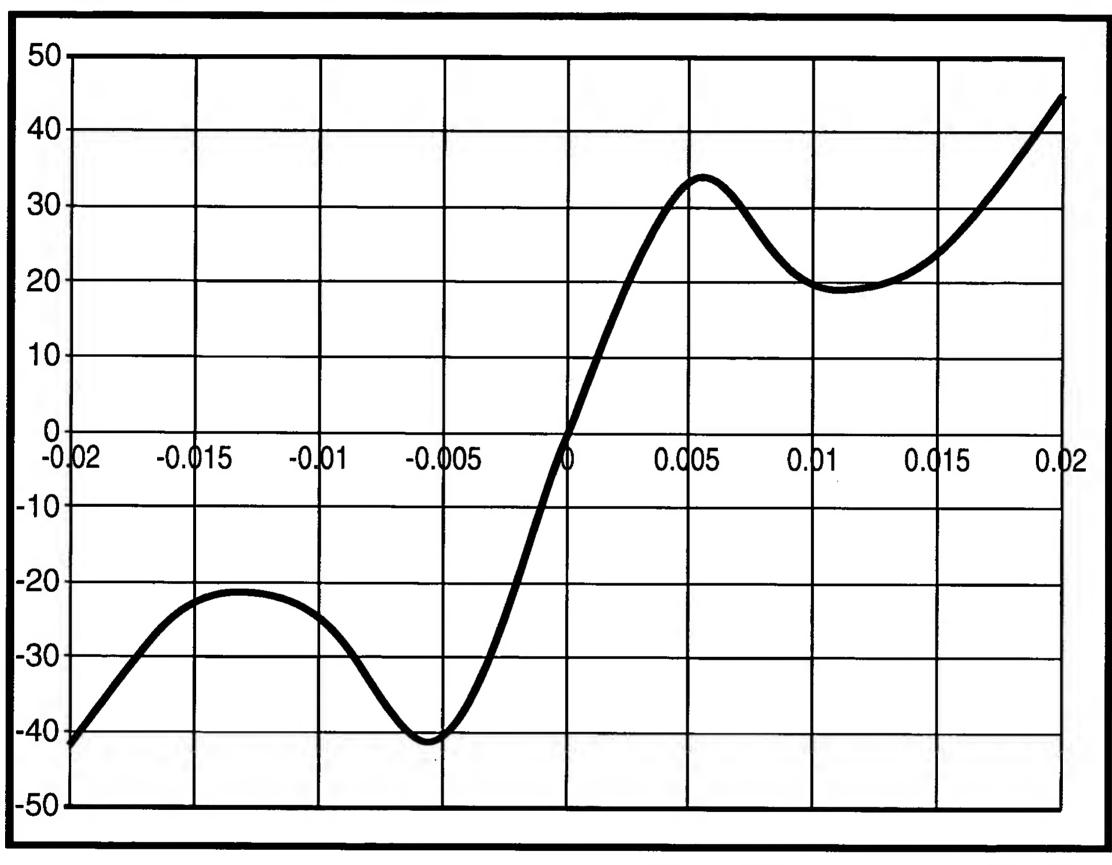
FIG. 5B



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LATCHING FORCE (GRAMS)



POSITIONAL DISPLACEMENT (INCHES)



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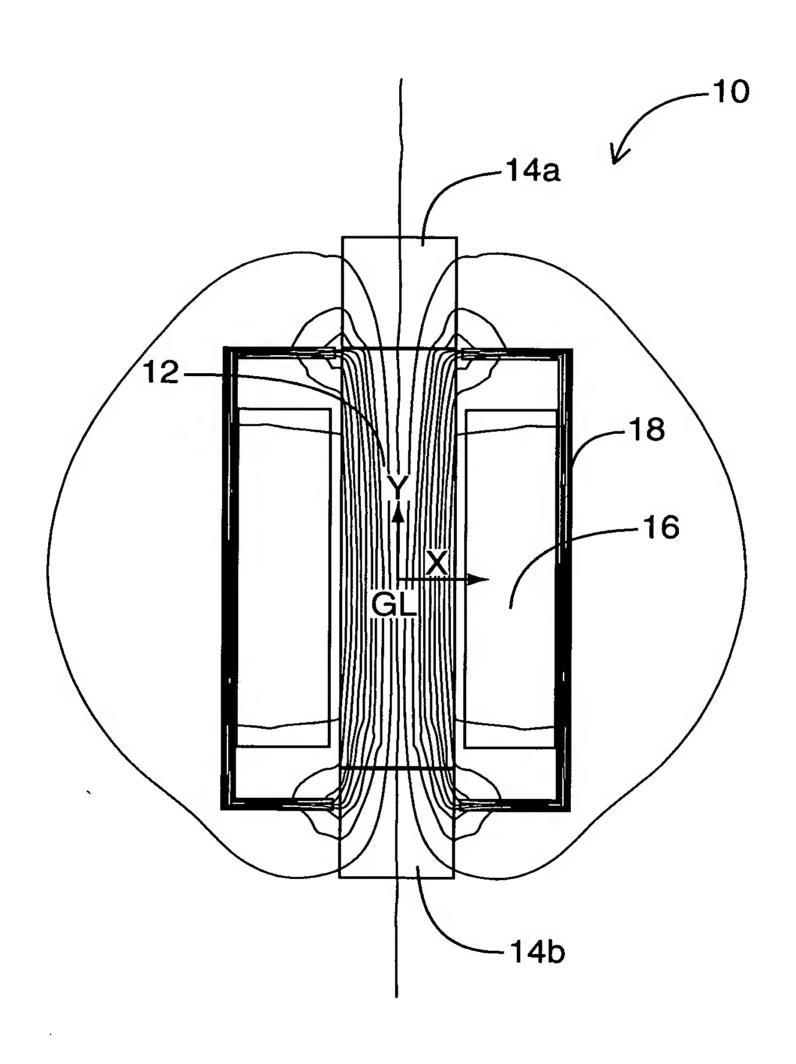


FIG. 6



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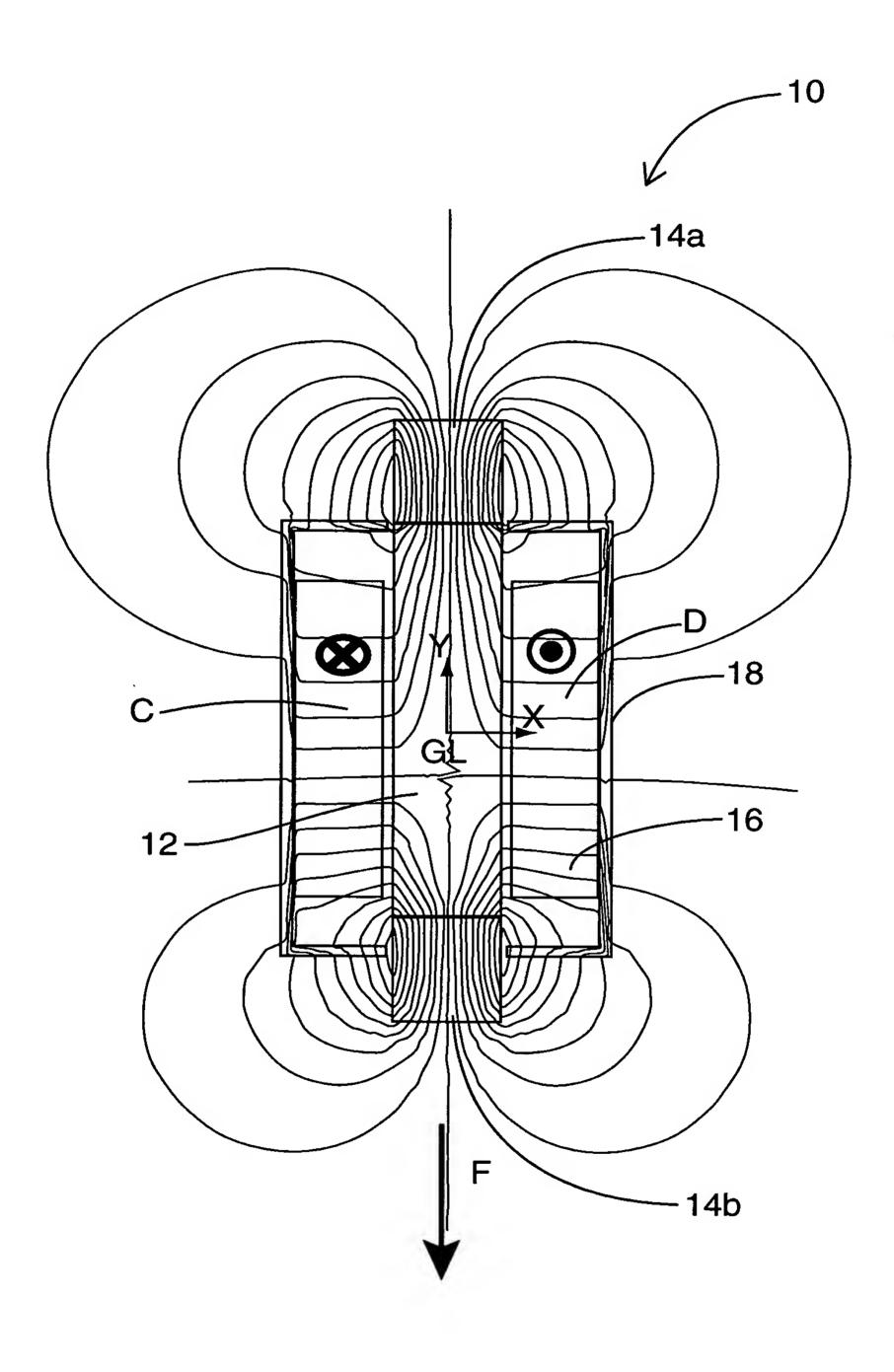


FIG. 7A



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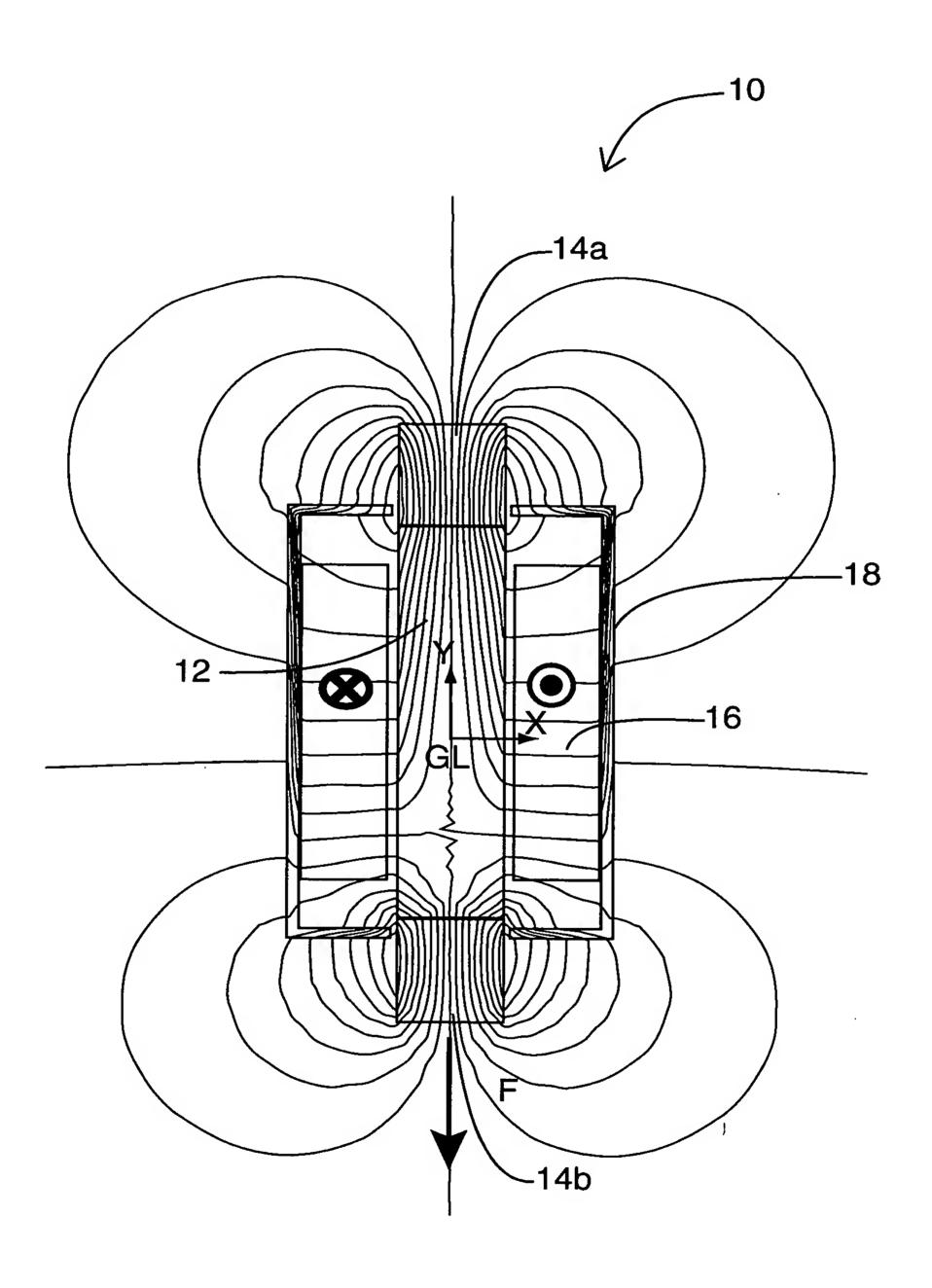


FIG. 7B



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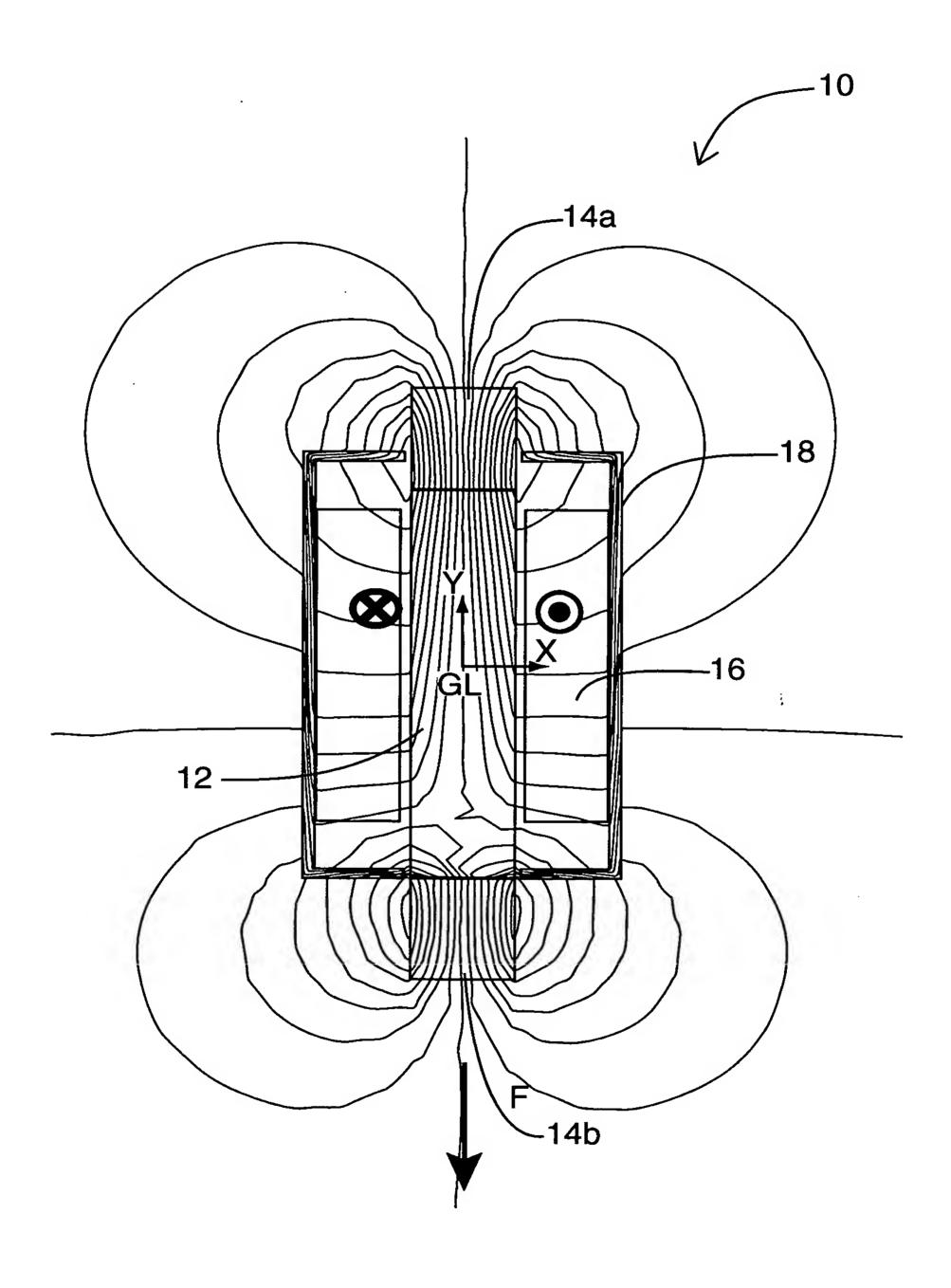


FIG. 7C



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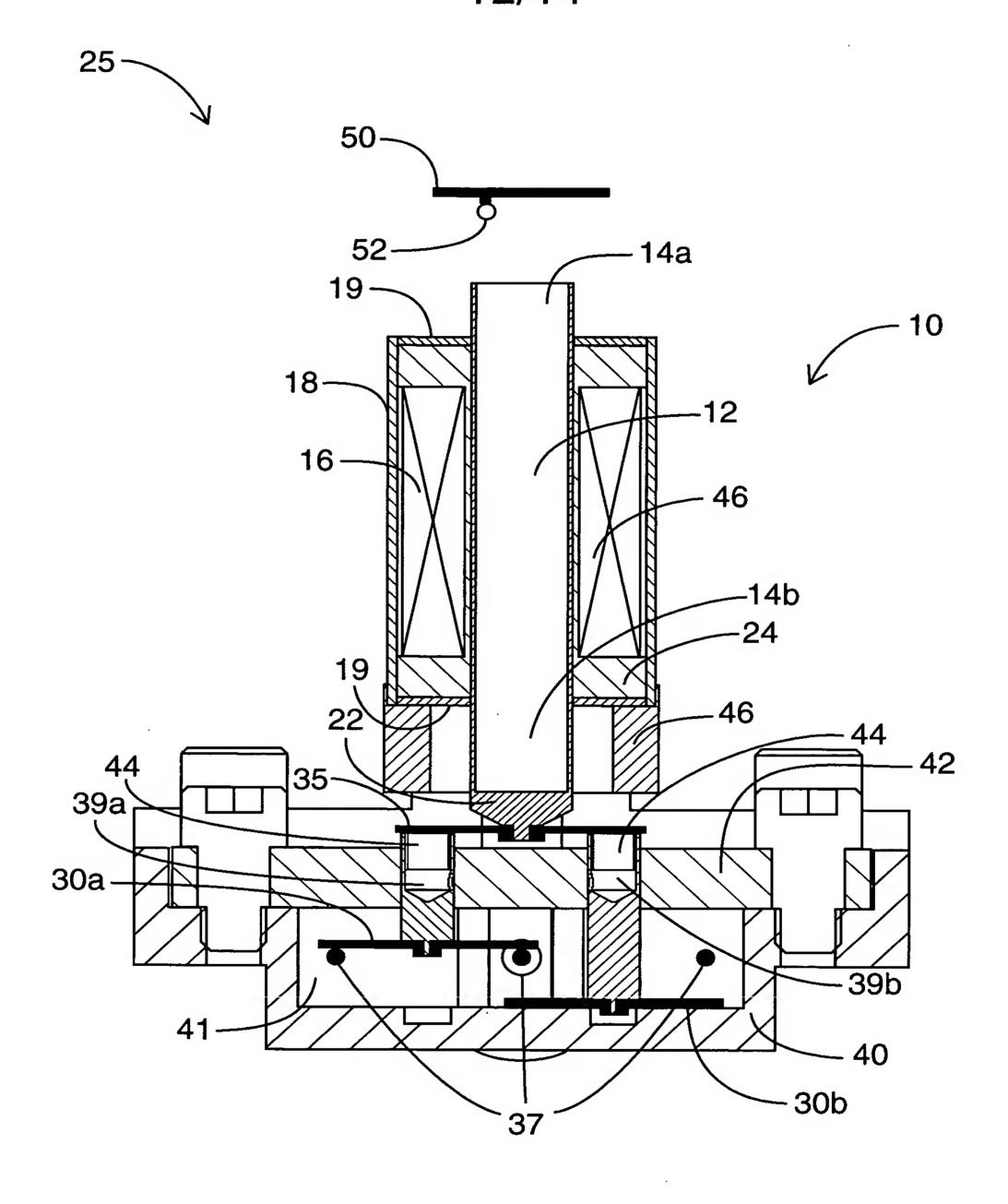
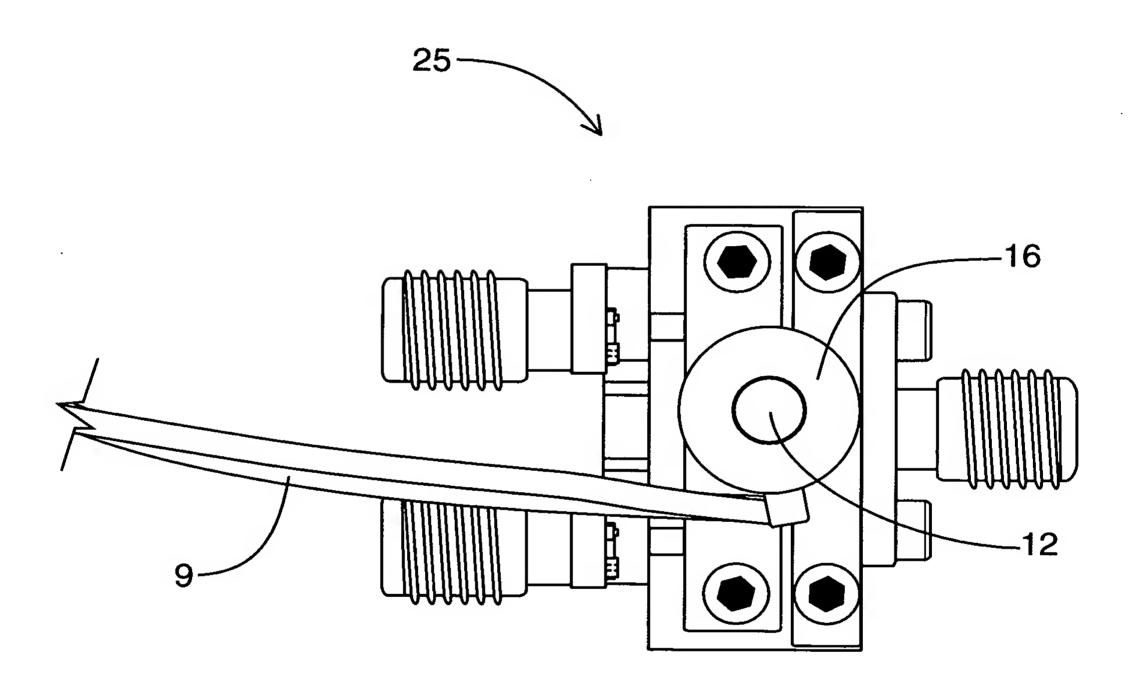


FIG. 8A



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Formal Drawings Sheet 14 of 14 Serial No.: 10/656,257 Applicant: Vladimirescu et al. B&P File No.: 8989-031



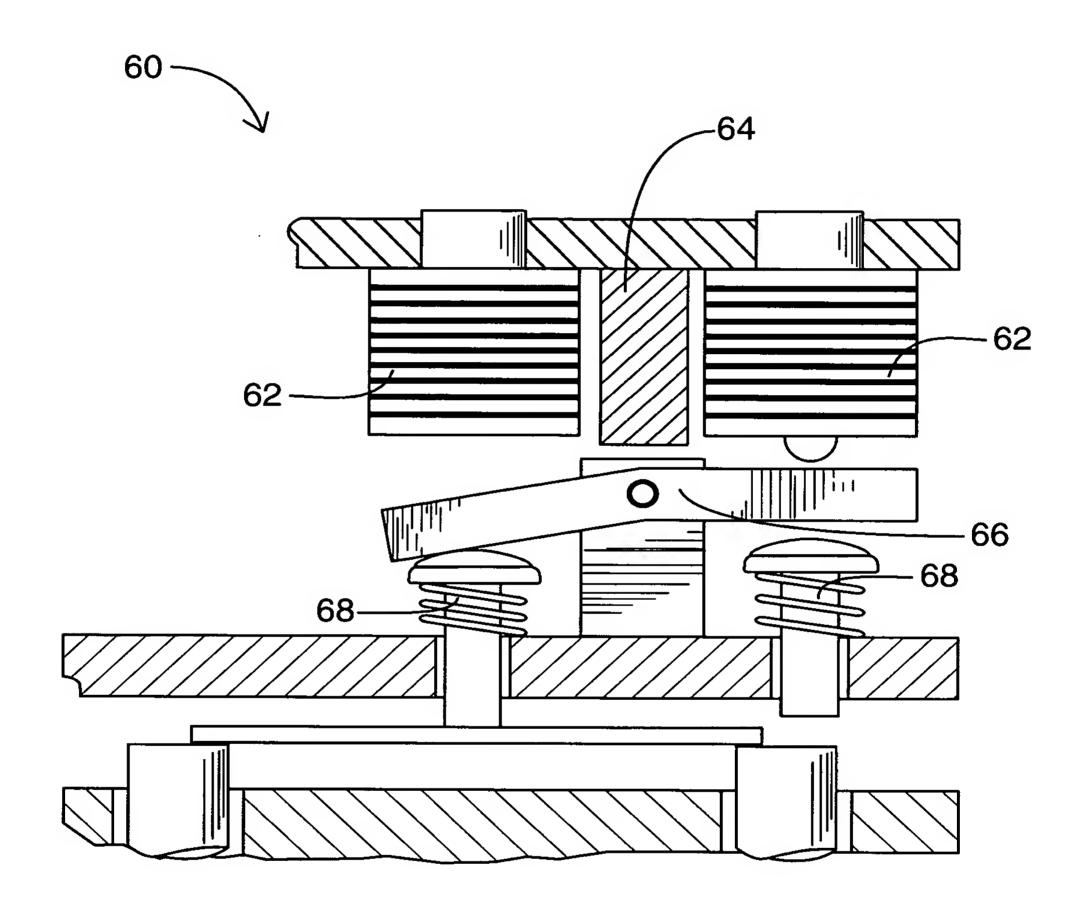


FIG. 9 PRIOR ART